



PRODUCT DATA SHEET

HP Series: HP 300/400/500/600

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DESCRIPTION

The HP series of industrial strip sealants provide a unique choice of products for a wide range of applications. Carefully formulated using the very latest in synthetic rubber technology and manufactured to exacting standards, the range offers total confidence in performance combined with ease of use from one of Europe's foremost sealant manufacturers. Typical applications currently served by the HP range include: automotive, industrial roofing, damp proofing & barrier membranes, heating & ventilation, marine, telecommunications, civil engineering and general construction.

KEY FEATURES

❖ Unrivalled performance across a wide range of industrial and specialist construction applications.	❖ Non-standard sizes and shapes are also available if required.
❖ Formulated using the very latest rubber polymer technology.	❖ Very low moisture vapour transmission rate - good for vapour barrier sealing.
❖ All products manufactured as standard on single strand reels for rapid and clean application. Other formats available on request.	❖ Quality assured to ISO 9001:2000
❖ Outstanding service life	❖ Excellent track record of proven performance
❖ Available in bead and rectangular sections in a wide range of sizes. Other shapes also available.	❖ Standard colours: Grey (HP300/400) Black & White (HP500/600) ❖ Non-standard colours are also available

TECHNICAL APPROVALS

Depending on application and type of material used, the HP Series will conform to a variety of performance standards and industry based approvals.

Where appropriate, the products have been tested against the requirements of the following bodies:

[The Water Research Council](#)

[The National Federation of Roofing Contractors – Performance Standards for Butyl Strip Sealants in Metal Clad Buildings – Class A Higher Performance and Class B Minimum Performance.](#)

[National Caravan Council](#)

Specific properties have also been assessed in accordance with British and other national standards such as the Norme Francaise, ASTM & DIN

Further information is freely available on request from our Technical Services Department.

USES – HP SERIES

HP 300: Lap & cover joint sealing. Sealing of pre-cast concrete underground sections and segmental linings. Prefabricated buildings. Sealing duct flanges. Fibre cement roofing sheets. Low movement joints in concrete. OEM applications.

HP 400: NFRC Class B – Higher Performance. Steel & aluminium systems used for industrial roofing & cladding. Air, dust & water seals in automotive & construction industry. Sealing duct flanges. Bedding of trims, mouldings, windows & door frames in caravans & portable buildings. OEM applications.

HP 500: NFRC Class A – Higher Performance. High performance side & end lap joint sealing in steel and aluminium roofing systems. Joining vapour barrier membranes, pond liners and DPCs. Sealing water retaining structures. For use where a strong jointing sealant is required which offers excellent bonding characteristics.

HP 600: NFRC Class A – Higher Performance. High performance sealing of metal buildings. Sealing awning rails and other cover or lap joints in touring caravan construction. Bathroom sealing strips. High performance bonding of plastic membranes such as vapour barrier and damp proofing membranes and pond liners. Wherever outstanding initial adhesion and high strength are required.

APPLICATION (GENERAL)

Properties:

Application temperature range: +5°C to +45°C

Priming: Primers are not normally required for good adhesion to steel, GRP, plastic, painted timber and most other non-porous building materials

Shelf life: 12 months when stored in cool, dry conditions.

Instructions:

Surface preparation: All surfaces should be clean, dry and free from frost, grease and loose materials.

Apply directly from the reel onto one surface whilst pressing sufficiently to achieve good initial adhesion.

Remove backing paper and offer other surface to the strip and push firmly to seal across the joint.

If required the use of a semi-rigid roller can assist in achieving good contact across the full length of the strip and rapid application.

Equipment:

A selection of tools and useful accessories is available and includes trimming knives and rollers. Hand or air operated are also available for cartridge sealant products.

PACKAGING

HP300:

Rectangular sections are available in a variety of thicknesses (3mm - 25mm) and widths (3mm - 400mm)

Round bead sections are available in a variety of diameters from 6mm - 13.5mm

HP400/500/600:

Rectangular sections are available in a variety of thicknesses (1mm - 25mm) and widths (3mm - 400mm)

Round bead sections are available in a variety of diameters from 6mm - 13.5mm

Tolerances (HP300 – 600)

Rectangular Sections:-

Thickness $\pm 10\%$

Width: up to 15mm ± 1 mm,

15mm-25mm ± 1.5 mm

over 25mm width ± 2 mm.

Round bead Sections:-

Thickness: nominal to nominal less 12%

nominal to nominal plus 12%

Standard Colours:

HP300: Grey

HP400: Grey

HP500: Black & White

HP600: Black & White

All HP Series strips are manufactured on single strand reels for ease of use. The metres per reel and number of reels per case will vary according to width & thickness. Multi-strand format can also be supplied subject to special order.

Special Colours & Sections

Hodgson Sealants understands that the markets in which it operates often have distinct needs with regard to product specification and will be pleased to consider requests for non-standard items including special colours and sections. We readily welcome the opportunity to work together with our clients to achieve cost effective sealant solutions.

PERFORMANCE – HP SERIES				
	HP300	HP400	HP500	HP600
Adhesion (metals and plastics)	Excellent	Excellent	Excellent	Excellent
Chemical Resistance	Good to dilute acids & alkalis	Good to dilute acids & alkalis	Good to dilute acids & alkalis	Good to dilute acids & alkalis
Compression to Seal	Positive Pressure	Positive Pressure	Positive Pressure	Positive Pressure
Density	1.9g/cm ³	1.7g/cm ³	1.6g/cm ³	1.5g/cm ³
Elongation at Break	150%	190%	220%	270%
Force to Compress by 20%	250N	240N	220N	125N
Movement Accommodation	±5%	±10%	±15%	±20%
Moisture Vapour Transmission	0.31g/m ² /24 hrs	0.25g/m ² /24 hrs	0.24g/m ² /24 hrs	0.23g/m ² /24 hrs
Paintability	Good	Good	Good	Good
Resistance to Mould	Good	Good	Good	Good
Service Temperature Range	-10°C to +90°C	-40°C to +110°C	-40°C to +110°C	-40°C to +120°C
Service Life (predicted)	15 years	20 years	20+ years	20+ years
Shrinkage	<0.5%	<0.5%	<0.5%	<0.5%
Shear Strength	11.2N	12.3N	16.2N	17.1N
Slump	Nil	Nil	Nil	Nil
Staining	Nil	Nil	Nil	Nil
Tack	Good	Good	Very Good	Excellent
UV Resistance	Good	Very Good	Very Good	Very Good
<p>For further information on test method and thickness of material used, please contact our Technical Services Dept.</p>				
HEALTH AND SAFETY: HP300-600 Series				
<p>There are no known hazards associated with the HP Series of strip sealants when used as recommended.</p> <p>Wash hands immediately after use.</p>		<p>See Safety Data Sheet for further information</p>		

GENERAL

The HP Series of Industrial Strip Sealants also forms the basis of a range of specialist flashing and sealing products which offer outstanding performance and ease of use. For example: Foilband, a high strength buytl flashing tape – Polyband for sealing metal liners in industrial buildings and Fleeceband for applications in the automotive and construction industry.



Joining vapour barrier membranes



Sealing lap joints in industrial roofing



The versatile HP Series Strip Sealants

The information given in this product data sheet is based on laboratory tests and experience which we believe to be correct. In view of the wide range and variability of substrates, we would advise that our product should be tested by the user to establish suitability for its intended application. E &OE

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